

Claims:

1. A fluoride crystal production method of producing a single crystal of fluoride by pulling down a single crystal from a crucible having a hole at a bottom thereof and accommodating therein a melt of a raw fluoride material, characterized in

that the single crystal is pulled down, by forming a face at an exit portion of the hole into a desired arbitrary face shape.

2. The fluoride crystal production method of claim 1, characterized in that the crucible has an outer bottom provided with a projected portion which has a lower surface in said desired arbitrary face shape.

3. The fluoride crystal production method of claim 2, characterized in that the projected portion has a height difference of 1mm or more.

4. The fluoride crystal production method of any one of claims 1 to 3, characterized in that the hole is provided in plural.

5. The fluoride crystal production method of any one of claims 1 to 4, characterized in that said face shape is configured to be within an extent narrower than an extent which the melt from the hole moves along.